

In the claims:

1. (Currently amended) A method of treating a liquid or a slurry of a liquid with an ultrasonic energy comprising:
 - 5 providing a first member being permeable to a medium, and a first vibrating device and the first member having a first gap formed therebetween, the first gap representing a first distance;
 - 10 providing a second member aligned with the first member and providing a second vibrating device, the second vibrating device and the second member having a second gap formed therebetween, the second gap representing a second distance; feeding the medium between the first and second members; and the first and second vibrating devices generating pulses
 - 15 through the first and second members, respectively, to form imploding bubbles in the medium disposed between the first and second members, the bubbles having a critical diameter prior to implosion that is greater than the first distance and the second distance to prevent ~~the~~ imploding bubbles from
 - 20 growing being disposed in the first and second gaps ~~to a size greater than the first and second distances.~~
2. (Currently amended) The method according to claim 1 wherein the method further comprises providing a fermentation tank in fluid communication with the first and second members and feeding ~~the~~ a slurry to ~~the~~ the fermentation tank.

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SF 395.821CIP1 3/8/05

- 3 -

4. (Previously amended) The method according to claim 2 wherein the method further comprises creating an anaerobic environment in the fermentation tank prior to receiving the slurry.

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6. (Currently amended) The method according to claim 1 wherein the method further comprises gradually narrowing a third gap between the first and second members until a fourth gap ~~4235~~ is reached between the first and second members and 10 forming an angle (alpha) between the first member and the second member so that the first and second members are wedge-shaped.

5. (Currently amended) The method according to claim ~~3~~ ⁴ wherein 15 the method further comprises collecting protoplasm from collapsed bacteria and other colloidal substances from the ~~ultrasonic treatment of the sludge slurry in a drain water and bringing the protoplasm into a mixer and mixing the protoplasm with the ultrasound treated slurry.~~

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6. (Currently amended) The method according to claim 5 wherein the method further comprises removing air from the slurry from the mixer prior to pumping the slurry to the fermentation tank.

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7. (Currently amended) The method according to claim 2

rf 355.821CIP1 3/8/05

- 4 -

wherein the method further comprises circulating the slurry from the fermentation tank during removal of dissolved biogas in a circulation conduit that is in fluid communication with the fermentation tank and removing biogas from the slurry 5 before pumping the slurry back into the fermentation tank.

8. (Currently amended) The method according to claim 1 wherein the method further comprises sending ~~the~~ a slurry in ~~the~~ a fermentation tank back to the first member and treating the 10 slurry with ultrasound from ~~the~~ transducers.

9. (Currently amended) The method according to claim 8 wherein the method further comprises ultrasound treating the slurry prior to sending the slurry to a press unit (270). 15

10. (Currently amended) A method of treating a medium with an ultrasonic energy comprising:
providing a first movable endless member for treatment of a medium, and a first ultrasonic transducer disposed a first 20 distance from the first member, a second movable endless member disposed opposite to the first member and a second ultrasonic transducer disposed at a second distance from the second member;
moving the first and second members;
25 feeding the medium between the first and second members; and the transducers generating pressure pulses through the first

